ISSUE 3

VIP-810
NETWORKED STATION PORT

INTRODUCTION

The VIP-810 networked station port allows most loop start terminal devices to be connected to a managed IP-based Local area network (LAN) or Wide area network (WAN).

SPECIFICATIONS

Access Methods

- PBX, FXO Port
- POTS telephone set

Features

- RJ-45 for network connection
- RJ-11 telephone connection
- Front panel activity LED
- Network activity LEDs on RJ-45
- 4 RENS
- 2.5mm jack for DC power (115VAC TO 24VDC adapter provided)

Dimensions/Weight

- 1.88" H x 5.50" W x 4.15" D (4.78cm H x 13.97cm W x 10.54cm D)
- Weight: 0.55 lbs. (0.25 kg)

Nominal Specifications

Input Impedance:	600 Ohms
Input Level:	-10dBm
Output Impedance:	600 Ohms
Output Level:	- 10dBm nominal

Nominal Power Requirements

Voltage:	24VDC
Current:	325mA

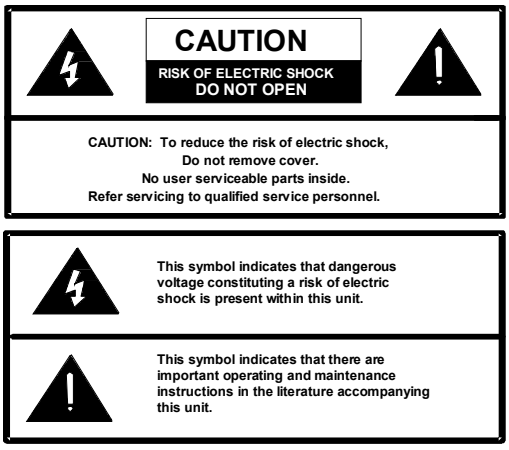
Environment

Temperature:	0 to +40°C
Humidity:	0 to 85% non-precipitating

INSTALLATION

NOTE: The telephone system referred to in this manual is the customer premise equipment such as an electronic key system, a PBX or a dedicated single line telephone sets. The VIP-810 is not intended for direct or indirect connection to the public telephone network. When used with a customer premise telephone system such as a key system or PBX system, these units are interfaced to the system via a fully protected loop start trunk (FXO) port. Also, the host system must be configured to disallow central office trunk conferencing in order to prevent indirect connection to the public network.

Precautionary Designations


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: To reduce the risk of electric shock,
Do not remove cover.
No user serviceable parts inside.
Refer servicing to qualified service personnel.
This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.
This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Mounting
The VIP-810 was designed for wall or table mounting. Secure unit to wall studs or a suitable brace away from heat sources or strong magnetic fields (motors, fans, power supplies, etc.) with the control and terminal strip accessible. One wood screw is included for mounting.

Power Connections
NOTE: This equipment must be installed near an AC power outlet due to the power cord being used as a disconnect device.

- The VIP-810 is provided with a VP-324 for North American use.

After all required connections have been made, plug the VP-324 into appropriate AC wall outlet.

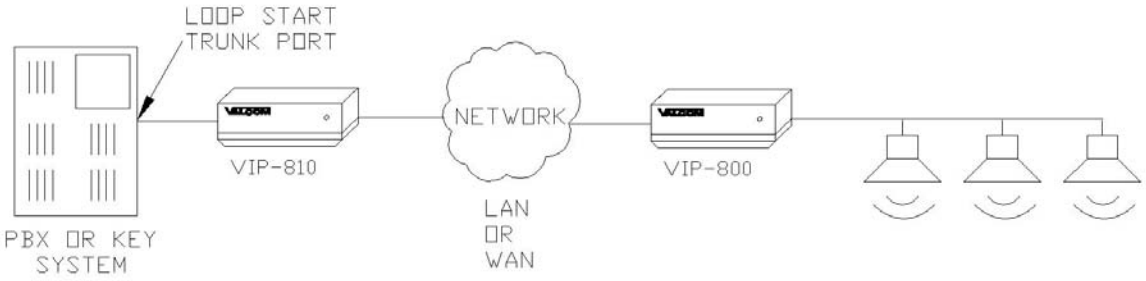
PBX Access
When using the VIP-810 with an electronic key system or PBX, a VIP-810 must be connected to a loop start trunk (FXO) port.

When using the VIP-810 with a PBX station port, a VIP-820 must be used to interface the telephone system with the network.

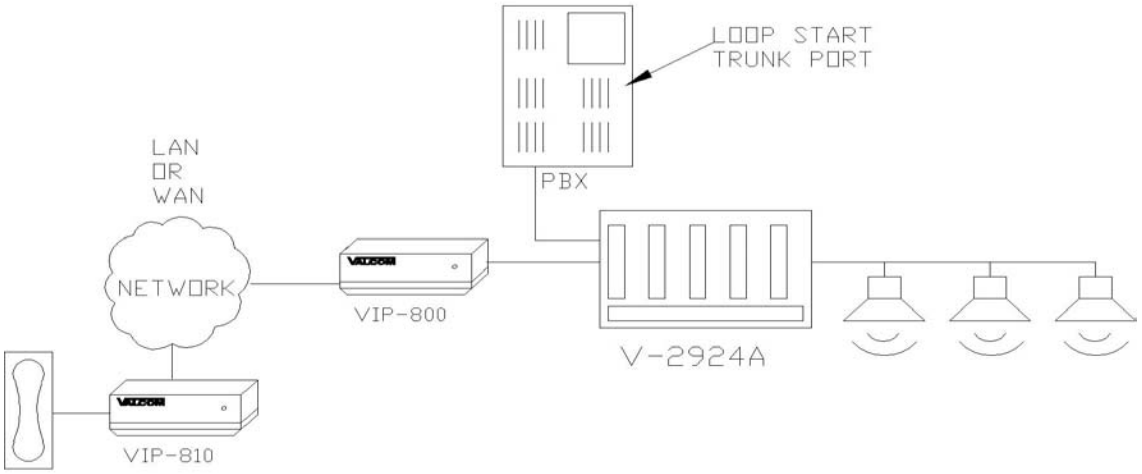
Operation
Press line key (electronic key system) or dial trunk access code (PBX) to connect to the VIP-810. The VIP-810 automatically disconnects from page when you hang up.

Pots Telephone Access
The VIP-810 may be connected to a POTS telephone set. This gives you direct access to the network.

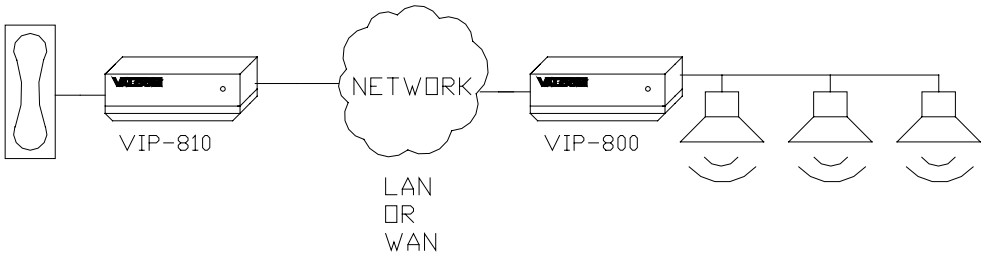
APPLICATION EXAMPLES
Use the VIP-810 with a PBX Loop Start Trunk Port and a VIP-800 to interface the telephone system to Valcom powered speakers over a network. When the PBX Loop Start Trunk Port is accessed, the VIP-810 will activate the VIP-800.



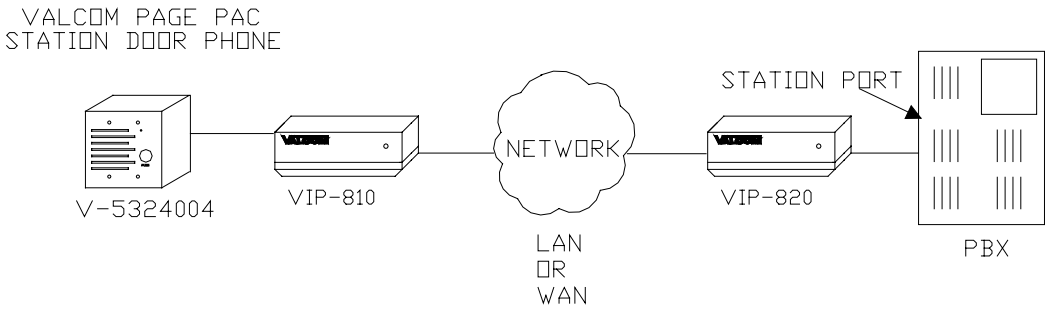
In this example, the VIP-810 is connected to the data network jack already installed and now the network connected telephone can reach into the existing Valcom Page Control to access one way all call priority paging. This configuration could be used at a guard shack where network access is available, but telephone access is not.



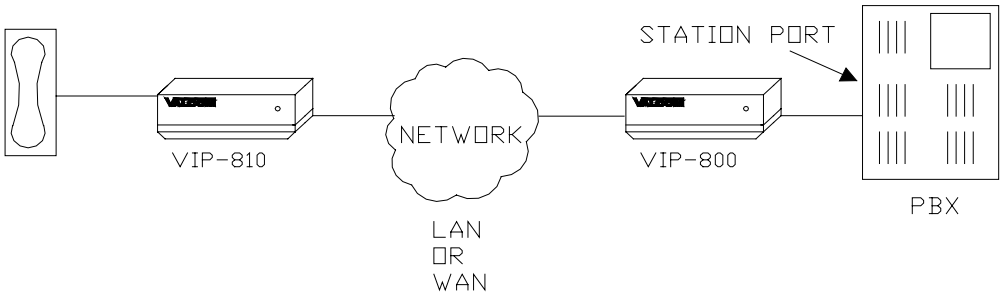
In this example, the VIP-810 and VIP-800 are connected to the data network as a stand alone paging system. This could be installed where network access is available, but telephone access is not.



In this example, the VIP-810 and VIP-820 are connected to the data network to extend the station port to a remote Door Phone . This could be installed where network access is available, but not telephone wiring. When initiating a call from the VIP-820 an open loop, disconnect signal is required from the PBX Station Port.



In this example, the VIP-810 and VIP-820 are connected to the data network to extend the station port to a telephone at a remote location. This could be installed where network access is available, but telephone wiring is not. When initiating a call from the VIP-820 an open loop, disconnect signal is required from the PBX Station Port.



TECHNICAL ASSISTANCE

When trouble is reported, verify power is being supplied to the unit and there are no broken connections. Check voltages for proper polarity to the one-way amplified speakers. Table 1 identifies symptoms of some possible problems with solutions. If a spare unit is available, substitute a spare unit for the suspected defective unit.

Assistance in troubleshooting is available from the factory. Call (540) 563-2000 and press 1 for Technical Support or via email at support@valcom.com.

When requesting assistance, you should include all available information. It is strongly suggested that you go to the web site and follow the trouble resolution procedure at http://voip.valcom.com.

Valcom equipment is not field repairable. Valcom, Inc. maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating your company name, address, phone number, contact person and the nature of the problem. Send the unit to:

Valcom, Inc.
Repair & Return Dept.
5614 Hollins Road
Roanoke, Va. 24019-5056

TABLE 1: TROUBLESHOOTING CHART

SYMPTOM	PROBABLE CAUSE AND SOLUTION
1. No output to speakers	A. Check for the presence of audio on the page outputs of the VIP-810 during a page using a test set. Refer to installation section for connection information.
	B. Check the DC voltage at the output of the VP-324. It should be 20 to 28VDC.
2. No music output	A. Using a test set, check for music on the music input terminals.
	B. Check that speakers are connected to page outputs.

VALCOM LIMITED WARRANTY

Valcom, Inc. warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim;
2. the defect is not the result of damage, misuse or negligence after the original shipment;
3. the product has not been altered in any way or repaired by others and that factory sealed units are unopened (a service charge plus parts and labor will be applied to units defaced or physically damaged);
4. freight charges for the return of products to Valcom are prepaid;
5. all units 'out of warranty' are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor).

This warranty is in lieu of and excludes all other warranties, expressed or implied, and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.